

TIE-007-1

**SHOE MANUFACTURING AND RECYCLING SYSTEM**

5           A polymeric fibrous base textile with a chemically compatible hot melt coating  
disposed across the base textile is provided. The coating is present in an amount and  
is of a composition such that upon application of heat and pressure the coating may be  
melt bonded to a second surface material thereby establishing a bond between the base  
textile and the second surface material. In addition, the concentration and  
10 composition of the coating are such that scrap portions of the base textile including  
the coating may be directly reprocessed by shredding and melting to yield a fiber  
grade material suitable for fiber formation and reprocessing back into a suitable base  
textile.

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